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CLAIMS

- 1. Communication terminal comprising a speaker and a low profile built-in radio antenna element, characterised in that said antenna element comprises a flat sheet
- 5 (21) carrying a conductive antenna trace (22), and where an exciter (26) is connected to said sheet and devised to induce vibrations therein for generating sound.
- The communication terminal as recited in claim 1, characterised in that said
 sheet is made from an insulating material.
 - 3. The communication terminal as recited in claim 2, characterised in that said sheet is made from a plastic material.
- 15 4. The communication terminal as recited in claim 2, characterised in that said sheet is made from a ceramic material.
 - 5. The communication terminal as recited in claim 1, characterised in that said exciter is connected adjacent to a side edge of said antenna element.

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- 6. The communication terminal as recited in claim 1, characterised in that said exciter is insulated from said antenna trace.
- 7. The communication terminal as recited in claim 1, characterised in that said exciter comprises first and second speaker signal connectors (27).
 - 8. The communication terminal as recited in claim 1, characterised in that said antenna trace defines an antenna patch.
- 30 9. The communication terminal as recited in claim 1, characterised in that said antenna trace is connected to a radio feed circuit of the terminal, and to a ground

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plane (23) which is spaced from the antenna patch.

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- 10. The communication terminal as recited in claim 1, characterised in that said antenna element is positioned parallel to a ground plane (23), wherein a spacing
 5 between the antenna element and the ground plane acts as an electromagnetic resonance cavity.
- 11. The communication terminal as recited in claim 1, characterised in that a cover member (2) of the terminal comprises an aperture (40) adjacent to said antenna10 element.
- 12. The communication terminal as recited in claim 1, characterised in that a sound channel (51,61) extends from a position adjacent to said antenna element to a channel front outlet at a front side of the terminal.

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13. The communication terminal as recited in claim 1, characterised in that said antenna trace comprises a substantially flat pattern of conductive material on said antenna element.

- 20 14. The communication terminal as recited in claim 1, characterised in that said antenna trace is printed on said antenna element.
 - 15. The communication terminal as recited in claim 1, characterised in that said antenna trace is etched out on said antenna element.

16. Combined antenna and speaker for a radio receiving apparatus, comprising a speaker and a low profile built-in radio antenna element, characterised in that said antenna element comprises a flat sheet (21) carrying a conductive antenna trace (22), and where an exciter (26) is connected to said sheet and devised to induce vibrations therein for generating sound.